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Application No.: 10/816,421
Docket No.: AD6920USNA

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AMENDMENT TO CLAIM 10

10. (Currently amended) A process of producing a painted polyacetal article, comprising:

- providing a polyacetal substrate produced by solidifying a molten blend comprising 90 – 99.5wt% polyacetal and 0.5 – 10wt% of semicrystalline or amorphous thermoplastic non-polyacetal resin ~~having a heat of fusion of 16cal/g or less, wherein the viscosity of the non-acetal component is lower than the viscosity of the polyacetal;~~

wherein said semicrystalline or amorphous thermoplastic non-polyacetal resin comprises:

a blend of first and second polyamides, each having melt viscosity at 200°C of less than 50,000 poise measured at a shear stress of 105 dynes/cm²; and

each has a melting point of less than about 180°C

and wherein the second polyamide is present in an amount equal to or less than the first polyamide in the range 0.1 - 2.5wt%;

- treating a surface of the polyacetal substrate for the application to the treated surface of a paint, to enhance exposure of said semicrystalline or amorphous thermoplastic non-polyacetal resin to an applied paint; and
- applying a thermoplastic or partly thermoplastic paint from a solvent-borne, water-borne or powder 1K. paint system onto the treated surface of the polyacetal substrate.